

Mumbai University

Question Paper

**[IDOL – REVISED COURSE]
(DECEMBER – 2017)**

PAPER - IV

ELECTIVE

**PROJECT
MANAGEMENT**

Time: 3 Hours**Total Marks:** 100**N.B.:** (1) All Question are Compulsory.

(2) Make Suitable Assumptions Wherever Necessary And State The Assumptions Made.

(3) Answer To The Same Question Must Be Written Together.

(4) Number To The Right Indicates Marks.

(5) Draw Neat Labeled Diagrams Wherever Necessary.

(6) Use of Non – Programmable Calculator is allowed.

Q.1 ATTEMPT ANY TWO QUESTIONS: (10 MARKS)

- (A) Write note on Pragmatic Software Cost Estimation. (5)
- (B) Explain the Principles of Modern Software Management. (5)
- (C) What is Iteration? Explain the Sequence of an Individual Iteration Workflow. (5)
- (D) Explain the Roles, Artifacts and Responsibilities of Software Architecture Team. (5)

Q.2 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) What kind of strategies can be applied to improve Team Effectiveness? (5)
- (B) Explain the Generations of Software Development. (5)
- (C) What are the Strategies to make Error Free Software? (5)
- (D) Present the Boehm's Top-10 Software Metrics list in detail. (5)
- (E) Explain how to reduce the Software Product Size. (5)
- (F) Explain the Three Generations of Software Development. (5)

Q.3 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) Explain the Principles of Conventional Software Management. (5)
- (B) Explain any five Davi's Principles of Conventional Software Management. (5)
- (C) Briefly explain the Management Artifact Sets. (5)
- (D) What is an Artifact Set? What are the different types of Artifact Sets? (5)
- (E) Explain the different stages in Modern Software Development Process? (5)
- (F) Write note on Aspects of Architecture from the Management Perspective. (5)

Q.4 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) Explain Two Planning Guidelines. (5)
- (B) Explain the Evolution of Work Breakdown Structure. (5)
- (C) Write short note on Periodic Status Assessment. (5)
- (D) Discuss the Cost and Schedule Estimating Process. (5)
- (E) Explain the Significance of Periodic Status Assessment. (5)
- (F) What is a Workflow? List and explain the Software Process Workflows. (5)

Q.5 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) Write a note on Process Automation. (5)
- (B) Write note on Software Change Orders (SCO). (5)
- (C) Explain the role of Infrastructure in Process Automation. (5)
- (D) Explain the Environment Disciplines of Environment Evolution. (5)
- (E) Write note on Round Trip Engineering. (5)
- (F) Explain the features of Project Organizations. (5)

[TURN OVER]

Q.6 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) Describe the Metrics for Project Control and Process Instrumentation. (5)
- (B) Write a note on Management Indicators. (5)
- (C) List the basic characteristics of Good Metric. (5)
- (D) Give the comparison between Small-Scale and Large-Scale Projects. (5)
- (E) Explain the process discriminators resulting from differences in Project Size. (5)
- (F) Explain the Automation Process with neat diagram. (5)

Q.7 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) How the Project Profiles differ between a Conventional Approach and Modern Process? (5)
 - (B) What is early Risk Resolution? Give its advantages. (5)
 - (C) State the Traits of Modern Process Development. (5)
 - (D) Write a note on Modern Software Economics. (5)
 - (E) Explain the General Structure for Cost Estimation Model for Modern Software Process. (5)
 - (F) Enlist the various principles of Modern Project Management. (5)
-